

Dr. Rafael De Andrade Moral, Maynooth University

Title: Estimating Animal Abundance in Three Difficulty Levels

Abstract:

Ecological data on animal abundance is vital when developing conservation and management programmes. Monitoring animal populations, however, is a very challenging task. Depending on the species of interest, it could demand too much time and resource that may not be available. In this talk I present three scenarios where data scarcity may arise, and how to estimate population abundance based on different assumptions. The first scenario is within a capture-mark-recapture framework, the second within counting unmarked animals, and the third is related to observing animal traces or vestiges.